Pursuant to the authority vested in the Air Resources Board by Health and Safety Code Division 26, Part 5, Chapter 2; and pursuant to the authority vested in the undersigned by Health and Safety Code Sections 39515 and 39516 and Executive Order G-02-003;

IT IS ORDERED AND RESOLVED: The engine and emission control systems produced by the manufacturer are certified as described below for use in on-road motor vehicles with a manufacturer's GVWR over 14,000 pounds. Production engines shall be in all material respects the same as those for which certification is granted.

2009 9NVXH0641AGA 10.4 Diesel Diesel HHDD OC, PTOX EMD  PRIMARY ENGINE'S IDLE EMISSIONS CONTROL  ADDITIONAL IDLE EMISSIONS CONTROL  ESS  N/A.  ENGINE (L)  ENGINE MODELS / CODES (rated power, in hp)  10.4 GDT390 / GDT390 (390), GDT370 / GDT370 (370), GDT330 / 330 (330)  *  * =not applicable; GVWR=gross vehicle weight rating; 13 CCR xyz=Title 13, California Code of Regulations, Section xyz; 40 CFR 86.abc=Title 40, Code of Federal Regulations, Section 86.abc=Title 40, Code of Fe	MODEL YEAR	ENGINE FAMI	ILY	ENGINE SIZES (L)	FUEL TYPE 1	STANDARDS & TEST	SERVICE	ECS & SPECIAL FEATURES 3	DIAGNOSTIC 6		
EMISSIONS CONTROL  ESS  N/A.  ENGINE (L)  ENGINE MODELS / CODES (rated power, in hp)  10.4  GDT390 / GDT390 (390), GDT370 / GDT370 (370), GDT330 / 330 (330)  * *=not applicable: GVWR=gross vehicle weight rating: 13 CCR xyz=Title 13, California Code of Regulations, Section xyz; 40 CFR 86.abc=Title 40, Code of Federal Regulations, Section 86.2    -iliter: hp=horsepower: kw=kilowatt; hr=hour;   CNG/LNG=compressed/liquefied natural gas; LPG=liquefied petroleum gas; E85=85% ethanol fuel; MF=multi fuel a.k.a. BF=bi fuel; DF=dual fuel; FF=fiexible fuel;   L/M/H HDD=light/medium/heavy heavy-duty diesel; UB=urban bus; HDO=heavy duty Otto;   ECS=emission control system; TWC/OC=three-wayloxidizing catalyst; NAC=NOx adsorption catalyst; SCR-U / SCR-N=selective catalytic reduction – urea / – ammonia; WU (prefix) = up catalyst; DPF=diesel particulate filter, PTOX=periodic trap oxidizer; HO25/O25=heated/daygen sensor; HAFS/AFS=heated/air-fuel-ratio sensor (a.k.a., universal or linear oxygen sensor   TRBI=throttet body fuel injection; SCMRIP-sequential/multiport fuel injection; CGCARB=gaseous carburetor; IDI/DDI=inderect/direct diesel injection; CGC=turb		PROCEDURE CLASS DDI, TC(2), CAC, ECM, EGK,									
ENGINE (L)  ENGINE MODELS / CODES (rated power, in hp)  10.4 GDT390 / GDT390 (390), GDT370 / GDT370 (370), GDT330 / 330 (330)  * =not applicable; GVWR=gross vehicle weight rating; 13 CCR xyz=Title 13, California Code of Regulations, Section xyz; 40 CFR 86.abc=Title 40, Code of Federal Regulations, Section 86.2 L=litler; hp=horsepower; kw=kllowatt; hr=hour;  CNGLNG=compressed/liquefied natural gas; LPG=liquefied petroleum gas; E85=85% ethanol fuel; MF=multi fuel a.k.a. BF=bi fuel; DF=dual fuel; FF=fiexible fuel;  L/M/H HDD=light/medium/heavy heavy-duty diesel; UB=urban bus; HDO=heavy duty Otto;  ECS=emission control system; TWC/OC=three-wayloxidizing catalyst; NAC=NOx adsorption catalyst; SCR-U / SCR-N=selective catalytic reduction – urea / – ammonia; WU (prefix) =w up catalyst; DPF=diesel particulate filter, PTOX=periodic trap oxidizer; HO25/O2S=heated/doxygen sensor; HAFS/AFS=heated/air-fuel-ratio sensor (a.k.a., universal or linear oxygen sensor; TBH=throttet body fuel injection; SUMFISSEQuential/multiport fuel injection; CGCARS=gaseous carburetor; IDI/ODI=inderect/direct diesel injection; CGCS=turb		51			ADD	ITIONAL IDLE EN	iissions coi	NTROL <sup>5</sup>			
10.4 GDT390 / GDT390 (390), GDT370 / GDT370 (370), GDT330 / 330 (330)  *=not applicable; GVWR=gross vehicle weight rating; 13 CCR xyz=Title 13, California Code of Regulations, Section xyz; 40 CFR 86.abc=Title 40, Code of Federal Regulations, Section 86.2  L=itler; hp=horsepower; kw=kilowatt; hr=hour; CNGLNG=compressed/liquefied natural gas; LPG=liquefied petroleum gas; E85=85% ethanol fuel; MF=multi fuel a.k.a. BF=bi fuel; DF=dual fuel; FF=flexible fuel; L/M/H HDD=light/medium/heavy heavy-duty diesel; UB=urban bus; HDO=heavy duty Otto; ECS=emission control system; TWC/OC=three-way/oxidizing catalyst; NAC=NOx adsorption catalyst; SCR-U / SCR-N=selective catalytic reduction – urea / – ammonia; WU (prefix) = w up catalyst; DPF=diesel particulate filter, PTOX=periodic trap oxidizer; HO2S/O2S=heated/axygen sensor; HAFS/AFS=heated/air-fuel-ratio sensor (a.k.a., universal or linear oxygen sensor); TAFS/AFS=heated/air-fuel-ratio sensor (a.k.a., universal or linear oxygen sensor); HAFS/AFS=heated/air-fuel-ratio sensor (a.k.a., universal or lin		ESS				N	Ά.				
* =not applicable; GVWR=gross vehicle weight rating; 13 CCR xyz=Title 13, California Code of Regulations, Section xyz; 40 CFR 86.abc=Title 40, Code of Federal Regulations, Section 86.abc=Title 40, Code of Feder	ENGINE (	L)			ENGINE MOD	ELS / CODES (ra	ted power, in	hp)			
L=liter; hp=horsepower; kw=kilowatt; hr=hour;  CNG/LNG=compressed/liquefied natural gas; LPG=liquefied petroleum gas; E85=85% ethanol fuel; MF=multi fuel a.k.a. BF=bi fuel; DF=dual fuel; FF=flexible fuel;  L/M/H HDD=light/medium/heavy-duty diesel; UB=urban bus; HDO=heavy duty Otto;  ECS=emission control system; TWC/OC=three-way/oxidizing catalyst; NAC=NOx adsorption catalyst; SCR-U / SCR-N=selective catalytic reduction – urea / – ammonia; WU (prefix) = w  up catalyst; DPF=diesel particulate filter; PTOX=penodic trap oxidizer; HO2S/O2S=heated/oxygen sensor; HAFS/AFS=heated/air-fuel-ratio sensor (a.k.a., universal or linear oxygen sensor)  TBI=throttle body fuel injection; SFI/MFI=sequential/multi port fuel injection; DGI=direct gasoline injection; GCARB=gaseous carburetor; IDI/DDI=indirect/direct diesel injection; TC/SC=turb	10.4	1	DT330 / 330 (330)								
Super charges: CAC=Charge air cooler; ECRY PECRY—Exhibits gas recliculation? Cooler ECRY, PARCAIN—pulseus sectionary air injection, 3 PE-stroke puls limited; 22 (prefix)=parallel; (2) (suffix)=in series;  ESS-engine shutdown system (per 13 CCR 1955.8(a)(6)(A)(1); 30g=30 g/hr NOx (per 13 CCR 1956.8(a)(6)(C); APS =internal combustion auxiliary power system; ALT=atternative meth (per 13 CCR 1956.8(a)(6)(D); Exempt=exempted per 13 CCR 1956.8(a)(6)(B) or for CNG/LNG fuel systems; N/A=not applicable (e.g., Otto engines and vehicles);	L=liter; hp: CNG/Li CNG/Li L/M/H is ECS=eup catalyst: TBl=throttle super chargeontrol mox ESS=eu	=horsepower; kw=kil NG=compressed/lique IDD=light/medium/he modelses particular portic	owatt; hra efied natura avy heavy π; TWC/C ate filter; I SFI/MFI=s cooler; E dification; em (per 13	=hour; al gas; LPG=liquef -duty diesel; UB=u CC=three-way/oxidi; PTOX=periodic traps sequential/multi por GR / EGR-C=exhau 2 (prefix)=parallel; CCR 1956.8(a)(6)(4)	ied petroleum gas; E85=85% et rban bus; HDO=heavy duty Otto ting catalyst; NAC=NOx adsorp o oxidizer; HO25/025=heated/o fuel injection; DGI=direct gasol ust gas recirculation / cooled EGI (2) (suffix)=in series; Alt1): 30g=30 g/hr NOx (per 13	hanol fuel; MF=mulo; c); icon catalyst; SCR-I xygen sensor; HAF ine injection; GCAR R; PAIR/AIR=pulse CCR 1956.8(a (6)(C	i fuel a.k.a. BF  J / SCR-N=sele  S/AFS=heated/ B=gaseous car  d/secondary air  C); APS =intern	=bi fuel; DF=dual fuel; FF=flexible fuel; ctive catalytic reduction – urea / – ammonia; V air-fuel-ratio sensor (a.k.a., universal or linear roburetor; DI/DDI=indrect/direct dissel injection injection; SPL=smoke puff limiter; ECM/PCM al combustion auxiliary power system; ALT=a	VU (preftx) =warm- oxygen sensor); n; TC/SC=turbo/ =engine/powertrain		

Following are: 1) the FTP exhaust emission standards, or family emission limit(s) as applicable, under 13 CCR 1956.8; 2) the EURO and NTE limits under the applicable California exhaust emission standards and test procedures for heavy-duty diesel engines and vehicles (Test Procedures); and 3) the corresponding certification levels, for this engine family. "Diesel" CO, EURO and NTE certification compliance may have been demonstrated by the manufacturer as provided under the applicable Test Procedures in lieu of testing. (For flexible- and dual-fueled engines, the CERT values in brackets [] are those when tested on conventional test fuel. For multi-fueled engines, the STD and CERT values for default operation permitted in 13 CCR 1956.8 are in parentheses.).

in g/bhp-hr	NMHC		. NOx		. NMHC+NOx		co		PM		нсно	
	FTP	EURO	FTP	EURO	FTP	EURO	FTP	EURO	FTP	EURO	FTP	EURO
STD	0.14	0.14	*	+	*	*	15.5	15.5	0.01	0.01	*	*
FEL	*	+	1.20	1.20	1.2	1.2	*	*	*	*	*	*
CERT	0.001	0.000	1.06	0.90	1.1	0.9	0.03	0.01	0.001	0.003	*	+
NTE	0.21		1.80		1.8		19.4		0.02		*	

g/bhp-hr=grams per brake horsepower-hour; FTP=Federal Test Procedure; EURO=Euro III European Steady-State Cycle, including RMCSET=ram mode cycle supplemental emissions lesting; NTE=Not-to-Exceed; STD=standard or emission test cap; FEL=family emission limit; CERT=certification level; NMHC/HC=non-methane/hydrocarbon; NOx=oxides of nitrogen; CO=carbon monoxide; PM=particulate matter; HCHO=formaldehyde; (Rev.: 2007-02-26)

**BE IT FURTHER RESOLVED:** Certification to the FEL(s) listed above, as applicable, is subject to the following terms, limitations and conditions. The FEL(s) is the emission level declared by the manufacturer and serves in lieu of an emission standard for certification purposes in any averaging, banking, or trading (ABT) programs. It will be used for determining compliance of any engine in this family and compliance with such ABT programs.

**BE IT FURTHER RESOLVED:** The listed engine models have been certified to the split engine family standards under 13 CCR 1956.8(b) [diesel engines] or 13 CCR 1956.8(d) [OTTO engines] and the incorporated 40CFR 86.007-15(m)(9).

BE IT FURTHER RESOLVED: For the listed engine models the manufacturer has submitted the materials to demonstrate certification compliance with 13 CCR 1965 (emission control labels) and 13 CCR 2035 et seq. (emission control warranty).

Engines certified under this Executive Order must conform to all applicable California emission regulations.

The Bureau of Automotive Repair will be notified by copy of this Executive Order.

Executed at El Monte, California on this 24 th day of December 2008.

Annette Hebert, Chief

Rashael Lusnowith

**Mobile Source Operations Division**